

WHAT IS CLAIMED IS:

1. Lubricating oil supply system for the connecting rod bearings of a crankshaft of a multi-cylinder internal-combustion engine, in which oil ducts extend from bearing journals to crank pins of the crankshaft, oil supply taking place by way of main bearings of the crankshaft in that the oil ducts extend from one main bearing or bearing journal respectively to the crank pins or connecting rod bearings in each case adjoining on both sides,

wherein, in respective bearing journals of the crankshaft for the lubricating oil supply to the connecting rod bearings adjoining on the left and right respectively, two oil bores respectively are provided which extend at an angle and, converging to a third oil bore, extend to two adjoining crank pins, and wherein the two oil bores interact with oil supply grooves provided in the main bearings for the lubricating oil supply.

2. Lubricating oil supply system according to Claim 1, wherein the crankshaft is provided for a 6-cylinder opposed-cylinder engine, in which the two crank pins arranged adjacent to the bearing journals are arranged to be mutually offset by a crank angle of 180°.

3. Lubricating oil supply system according to Claim 1, wherein the main bearings, two partial oil supply grooves are provided which are arranged to deviate by 90° with respect to the gas force plane.

4. Lubricating oil supply system according to Claim 2, wherein the main bearings, two partial oil supply grooves are provided which are arranged to deviate by  $90^\circ$  with respect to the gas force plane.
5. Lubricating oil supply system according to Claim 1, wherein the oil bores in the bearing journals of the crankshaft extend at an angle of approximately  $90^\circ$ , while the partial oil supply grooves extend along a range of a crank angle of approximately  $100^\circ$ .
6. Lubricating oil supply system according to Claim 2, wherein the oil bores in the bearing journals of the crankshaft extend at an angle of approximately  $90^\circ$ , while the partial oil supply grooves extend along a range of a crank angle of approximately  $100^\circ$ .
7. Lubricating oil supply system according to Claim 3, wherein the oil bores in the bearing journals of the crankshaft extend at an angle of approximately  $90^\circ$ , while the partial oil supply grooves extend along a range of a crank angle of approximately  $100^\circ$ .
8. Lubricating oil supply system according to Claim 4, wherein the oil bores in the bearing journals of the crankshaft extend at an angle of approximately  $90^\circ$ , while the partial oil supply grooves extend along a range of a crank angle of approximately  $100^\circ$ .

9. A method of lubricating connecting rod bearings of multi-cylinder internal-combustion engine using the supply system of Claim 1, comprising supplying lubricating oil under pressure to said main bearings.

10. A method according to Claim 9, wherein the crankshaft is provided for a 6-cylinder opposed-cylinder engine, in which the two crank pins arranged adjacent to the bearing journals are arranged to be mutually offset by a crank angle of 180°.

11. A method according to Claim 9, wherein the main bearings, two partial oil supply grooves are provided which are arranged to deviate by 90° with respect to the gas force plane.

12. A method according to Claim 9, wherein the oil bores in the bearing journals of the crankshaft extend at an angle of approximately 90°, while the partial oil supply grooves extend along a range of a crank angle of approximately 100°.